



asbl COPRO vzw

Onpartijdige Instelling voor de Controle van Bouwproducten
Organisme impartial de Contrôle de Produits pour la Construction
Z.1 Researchpark, Kranenberg 190 Tel. +32 2 468 00 95
B - 1731 Zellik (Asse) Fax +32 2 469 10 19



e-mail : info@copro.eu
website : www.copro.eu

Certificate of constancy of performance

1137-CPR-0471/81

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

Road marking materials - Drop on materials: Glass beads, antiskid aggregates and mixtures of the two

For circulation areas

The products that are covered by this certificate, are enumerated on the following pages

produced by or for

Sovitec Belgium SA
avenue du Marquis 4 B-6220 Fleurus

and produced in the manufacturing plant

Sovitec Belgium SA
avenue du Marquis 4 B-6220 Fleurus

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard(s)

EN 1423:2012 + AC:2013

under system 1 are applied and that

the products fulfil all the prescribed requirements set out above.

This certificate was first issued on 10/01/2005 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

The validity of this certificate must be verified on the website from COPRO (www.copro.eu).

Zellik, 17/12/2013

Ir E. Barbé
CEO



Certificate of constancy of performance 1137-CPR-0471/81 from 17/12/2013
Drop on materials: Glass beads, antiskid aggregates and mixtures of the two

1. Glass beads :

Granulometries :

600-125 (1)									
upper nominal sieve	600 µm	sieve		710µm	600 µm	355 µm	212 µm	125 µm	
lower nominal sieve	125 µm	cumulative retained mass %		0-2%	0-10%	30-70%	70-100%	95-100%	
600-180 (1)									
upper nominal sieve	600 µm	sieve		710 µm	600 µm	500 µm	425 µm	355 µm	250 µm
lower nominal sieve	180 µm	cumulative retained mass %		0-2%	0-10%	13-33%	25-50%	40-70%	70-90%
									95-100%
710-125 (1)									
upper nominal sieve	710 µm	sieve		850 µm	710 µm	600 µm	355 µm	212 µm	125 µm
lower nominal sieve	125 µm	cumulative retained mass %		0-2%	0-10%	0-40%	50-90%	80-100%	95-100%
710-125 (2)									
upper nominal sieve	710 µm	sieve		850 µm	710 µm	600 µm	500 µm	355 µm	212 µm
lower nominal sieve	125 µm	cumulative retained mass %		0-2%	0-10%	0-30%	5-45%	30-70%	60-100%
									75-100%
									95-100%
710-125 (3) Echostar 5									
upper nominal sieve	710 µm	sieve		1 mm	710 µm	600 µm	355 µm	212 µm	125 µm
lower nominal sieve	125 µm	cumulative retained mass %		0-2%	0-10%	5-40%	40-80%	70-100%	95-100%
710-150 (1)									
upper nominal sieve	710 µm	sieve			850 µm	710 µm	425 µm	250 µm	150 µm
lower nominal sieve	150 µm	cumulative retained mass %			0-2%	0-10%	25-65%	70-95%	95-100%
710-180 (1)									
upper nominal sieve	710 µm	sieve			850 µm	710 µm	600 µm	425 µm	300 µm
lower nominal sieve	180 µm	cumulative retained mass %			0-2%	0-10%	10-30%	30-55%	55-80%
									95-100%
850-125 (1)									
upper nominal sieve	850 µm	sieve		1 mm	850 µm	500 µm	300 µm	180 µm	125 µm
lower nominal sieve	125 µm	cumulative retained mass %		0-2%	0-10%	20-60%	45-85%	75-100%	95-100%
850-250 (1)									
upper nominal sieve	850 µm	sieve			1 mm	850 µm	600 µm	425 µm	250 µm
lower nominal sieve	250 µm	cumulative retained mass %			0-2%	0-10%	35-75%	80-100%	95-100%
850-125 (2) Echostar 10									
upper nominal sieve	850 µm	sieve		1 mm	850 µm	710 µm	600 µm	425 µm	355 µm
lower nominal sieve	125 µm	cumulative retained mass %		0-2%	0-10%	15-35%	25-55%	40-80%	55-90%
									80-100%
									95-100%
850-125 (3) : Fuso3CE									
upper nominal sieve	850 µm	sieve		1 mm	850µm	600 µm	355 µm	212 µm	125 µm
lower nominal sieve	125 µm	cumulative retained mass %		0-2%	0-10%	5-40%	50-90%	80-100%	95-100%
850-125 (4) Echostar 5 GR									
upper nominal sieve	850 µm	sieve		1 mm	850 µm	710 µm	600 µm	425 µm	355 µm
lower nominal sieve	125 µm	cumulative retained mass %		0-2%	0-10%	5-25%	15-55%	40-80%	50-90%
									70-100%
									95-100%
850-125 (5) Echostar 5A									
upper nominal sieve	850 µm	sieve		1 mm	850 µm	600 µm	355 µm	212 µm	125 µm
lower nominal sieve	125 µm	cumulative retained mass %		0-2%	0-10%	5-40%	40-80%	70-100%	95-100%



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850-180 (1)								
upper nominal sieve	850 µm	sieve	1 mm	850 µm	500 µm	425 µm	300 µm	180 µm
lower nominal sieve	180 µm	cumulative retained mass %	0-2%	0-10%	20-40%	35-55%	65-85%	95-100%

850-212 (1)									
upper nominal sieve	850 µm	sieve	1 mm	850 µm	710 µm	600 µm	500 µm	425 µm	355 µm
lower nominal sieve	212 µm	cumulative retained mass %	0-2%	0-10%	10-25%	25-50%	45-73%	60-85%	75-90%

850-425 (1)							
upper nominal sieve	850 µm	sieve	1 mm	850 µm	600 µm	425 µm	300 µm
lower nominal sieve	425 µm	cumulative retained mass %	0-2%	0-10%	20-40%	35-55%	65-85%

1000-212 (1)								
upper nominal sieve	1 mm	sieve	1,18 mm	1 mm	850 µm	600 µm	425 µm	355 µm
lower nominal sieve	212 µm	cumulative retained mass %	0-2%	0-10%	0-15%	15-55%	50-90%	70-100%

1000-355 (1)								
upper nominal sieve	1 mm	sieve	1,18 mm	1 mm	850 µm	600 µm	425 µm	355 µm
lower nominal sieve	355 µm	cumulative retained mass %	0-2%	0-10%	0-20%	20-40%	40-80%	60-100%

1180-250 (1)								
upper nominal sieve	1,18 mm	sieve	1,4 mm	1,18 mm	850 µm	600 µm	425 µm	250 µm
lower nominal sieve	250 µm	cumulative retained mass %	0-2%	0-10%	0-30%	35-75%	75-100%	95-100%

1180-125 (1) Echostar 20									
upper nominal sieve	1,18 mm	sieve	1,4 mm	1,18 mm	1 mm	850 µm	600 µm	355 µm	212 µm
lower nominal sieve	125 µm	cumulative retained mass %	0-2%	0-10%	5-20%	10-30%	20-60%	50-90%	70-100%

1400-212 (1) Echostar 30									
upper nominal sieve	1,4 mm	sieve	1,7 mm	1,4 mm	1,18 mm	850 µm	600 µm	425 µm	355 µm
lower nominal sieve	212 µm	cumulative retained mass %	0-2%	0-10%	5-30%	40-80%	70-100%	80-100%	90-100%

1400-212 (2) Echostar 35									
upper nominal sieve	1,4 mm	sieve	1,7 mm	1,4 mm	1,18 mm	850 µm	600 µm	425 µm	355 µm
lower nominal sieve	212 µm	cumulative retained mass %	0-2%	0-10%	20-40%	60-90%	70-100%	80-100%	90-100%

1400-600 (1) SB 20 / Vialux 20								
upper nominal sieve	1,4 mm	sieve	2 mm	1,4 mm	1 mm	850 µm	600 µm	300 µm
lower nominal sieve	600 µm	cumulative retained mass %	0-2%	0-10%	30-70%	60-100%	95-100%	99-100%

With :

Refractive index of glass beads		class A	
Maximum weighted % of defective glass beads	Beads with diameter < 1 mm	Maximum 20 %	
	Beads with diameter ≥ 1 mm	Maximum 20 %	
Resistance to water, hydrochloric acid, calcium chloride and sodium sulfide		pass	
Dangerous substances		Class 1 for As, Pb and Sb	

2. Antiskid aggregates

Granulometries :

glass grains "GV 32" 850-250								
upper nominal sieve	850 µm	sieve	1 mm	850 µm	600 µm	425 µm	250 µm	150 µm
lower nominal sieve	250 µm	cumulative retained mass %	0-2%	0-10%	0-40%	60-100%	95-100%	99-100%
Dangerous substances : Class 1 for As, Pb and Sb								
transparent antiskid aggregates				friability index : max 20				



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3. Mixtures of glass beads and antiskid aggregates

The composition of the mixtures and the proportions of the components are mentioned on the product data sheet of the manufacturer and on the labelling of the products. The mixtures are composed of the glass beads mentioned under 1. Glass Beads and the antiskid aggregates mentioned under 2. Antiskid aggregates or the following antiskid aggregates.

Granulometries :

antiskid aggregates "Sili 11" 710-125										
upper nominal sieve	710 µm	sieve	1 mm	710 µm	500 µm	355 µm	250 µm	180 µm	125 µm	90 µm
lower nominal sieve	125 µm	cumulative retained mass %	0-2%	0-10%	0-15%	5-35%	50-90%	80-100%	95-100%	99-100%
not transparent antiskid aggregates				friability index : max 45						
antiskid aggregates "Sili 12" 1000-150										
upper nominal sieve	1 mm	sieve	1,18 mm	1 mm	600 µm	355 µm	250 µm	150 µm	90 µm	
lower nominal sieve	150 µm	cumulative retained mass %	0-2%	0-10%	10-50%	45-85%	60-100%	95-100%	99-100%	
not transparent antiskid aggregates				friability index : max 35						
antiskid aggregates "Sili 13" 1700-850										
upper nominal sieve	1,7 mm	sieve	2 mm		1,7 mm	1,18 mm	1 mm	850 µm	500 µm	
lower nominal sieve	850 µm	cumulative retained mass %	0-2%		0-10%	40-80%	75-100%	95-100%	99-100%	
not transparent antiskid aggregates				friability index : max 35						
antiskid aggregates "Alu 21" 850-250										
upper nominal sieve	850 µm	sieve	1 mm		850 µm	600 µm	425 µm	250 µm	150 µm	
lower nominal sieve	250 µm	cumulative retained mass %	0-2%		0-10%	0-40%	60-100%	95-100%	99-100%	
transparent antiskid aggregates				friability index : max 10						
antiskid aggregates "Alu 25" 1400-710										
upper nominal sieve	1,4 mm	sieve	1,7 mm	1,4 mm	1 mm		710 µm		600 µm	
lower nominal sieve	710 µm	cumulative retained mass %	0-2%	0-10%	60-100%		95-100%		99-100%	
transparent antiskid aggregates				friability index : max 10						
antiskid aggregates "Alu 27" 1700-850										
upper nominal sieve	1,7 mm	sieve	2 mm		1,7 mm	1,4 mm	1 mm	850 µm	710 µm	
lower nominal sieve	850 µm	cumulative retained mass %	0-2%		0-10%	0-40%	70-100%	95-100%	99-100%	
transparent antiskid aggregates				friability index : max 10						
antiskid aggregates "Alu 28" 2000-1000										
upper nominal sieve	2 mm	sieve	2,36 mm		2 mm	1,7 mm	1,18 mm	1 mm	710 µm	
lower nominal sieve	1 mm	cumulative retained mass %	0-2%		0-10%	0-40%	70-100%	95-100%	99-100%	
transparent antiskid aggregates				friability index : max 10						
antiskid aggregates "glass grains GV 31" 500-150										
upper nominal sieve	500 µm	sieve	850		500 µm	425 µm	250 µm	150 µm	106 µm	
lower nominal sieve	150 µm	cumulative retained mass %	0-2%		0-10%	0-40%	60-100%	95-100%	99-100%	
transparent antiskid aggregates				friability index : max 20						
Dangerous substances : Class 0 for As, Pb and Sb										

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CEO